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EUROPE S.r.l., Stradale Torino, 603, I-10090 SAN
BERNARDO DI IVREA (IT).

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(74) Agents: JORIO, Paolo et al.; STUDIO TORTA S.r.l., Via
Viotti, 9, I-10121 TORINO (IT).

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(71) Applicant (*for all designated States except US*): DAYCO
EUROPE S.R.L. [IT/IT]; Zona Industriale Vallecupa,
I-64010 COLONNELLA (IT).

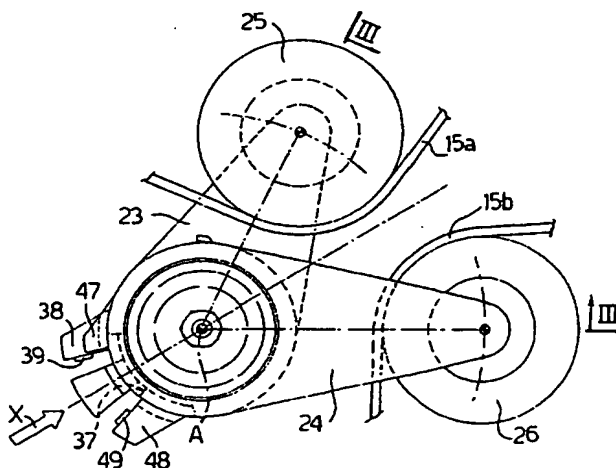
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(72) Inventors; and

(75) Inventors/Applicants (*for US only*): LOLLI, Sergio
[IT/IT]; Via San Giuliano, 5, I-63100 ASCOLI PICENO
(IT). D'AMICANTONIO, Luca [IT/IT]; c/o DAYCO

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(54) Title: A TWO-ARM BELT TENSIONER FOR A BELT DRIVE



(57) Abstract: A belt tensioner (20) for a belt drive (1) is designed to connect an engine shaft (6) of an internal-combustion engine (2) to a reversible electric machine (4) which has the function of starting motor and current generator; the belt tensioner (20) comprises a fixed part (21) and a pair of arms (23, 24), hinged on a common pin (31) carried by the fixed part (21) and provided with respective idle pulleys (25, 26), and a spring (27), which forces the two arms (23, 24) towards one another so as to load the pulleys (25, 26) elastically against respective branches (15a, 15b) of the belt (15). The two arms (23, 24) of the belt tensioner are provided with respective first arrest elements (37, 47), which are designed to interact with the fixed portion (21) to define respective positions of arrest of the arms themselves under the action of the spring (27), and respective second arrest elements (38, 48), which are designed to interact with the fixed portion (21) to define respective positions of end-of travel of the arms (23, 24) under the action of the pull of the belt (15).

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